

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1080	((head transducer) same (cantilever\$3 (load near2 beam) suspension arm)) same ((air suction pressure flow) near4 (trail \$3 downstream))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 11:08
L2	3	L1 and "360"/137.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 11:08
L3	18	((head transducer) same (cantilever\$3 (load near2 beam) suspension arm)) near5 ((air suction pressure flow) near4 (trail \$3 downstream))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 11:13
L6	18	("4471395"   "4473855"   "4489356"   "4725904"   "4780776"   "4879618"   "5491596"   "5898545"   "5907453"   "5956203"   "6091570"   "6147834"   "6208484"   "6369977"   "6369978"   "6369979"   "6385007"   "6628475"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/09 11:23
L9	163	dis\$1 and ((cantilever\$3 (load near2 beam) suspension arm) near5 ((air suction pressure flow) near3 (trail\$3 downstream)))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 12:17
L10	128	dis\$1 and ((cantilever\$3 (load near2 beam) suspension arm) near3 ((air pressure flow) near3 (trail\$3 downstream)))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 12:33
L12	1102	dis\$1 same (nozzle near3 pressure) same (suspension cantilever\$2 arm)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 13:42
L13	20	dis\$1 same (nozzle near3 pressure) same (suspension cantilever\$2 arm) and ((air flow) near2 sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 13:43

L14	5	dis\$1 same (nozzle near3 pressure) same (suspension cantilever\$2 arm) and "360"/\$.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 13:45
L17	1	dis\$1 and ((nozzle near3 pressure) near6 (downstream trail\$3) near4 (suspension cantilever\$2 arm))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 14:03
L18	9	dis\$1 and ((nozzle near3 pressure) same (downstream trail\$3) near4 (suspension cantilever\$2 arm))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 14:03
L20	751	dis\$1 same (nozzle near2 pressure) same (suspension (load near2 beam) arm)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 14:15
L21	118	20 and (vacuum)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 14:16
L23	1	12 and (fluid\$2 near2 (dam strip\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 14:35
L24	1219	dis\$1 and (fluid\$2 near2 (dam strip\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 14:36
L25	27	24 and ((air pressure) near3 (downstream upstream))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 14:37
L26	69	24 and ((air pressure) near3 (downstream upstream lead\$3 trail\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 14:39
L30	1125	dis\$1 and ((suction vacuum) near3 (upstream lead\$3) near2 (side edge))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 15:32
L31	439	30 and (suspension cantilever\$2 arm)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 15:33
L33	6	31 and "360"/\$.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 15:34

L57	1	("20020015255").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2008/04/09 15:45
L59	11	dis\$1 same ((suspension cantilever\$2 (load near2 beam)) same (suction vacuum) near3 (upstream lead\$3) near2 (side edge))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 16:25
L60	25	dis\$1 same (suspension cantilever\$2 (load near2 beam)) and ((suction vacuum) near3 (upstream lead\$3) near2 (side edge))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 16:26
L61	1	("6560071").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2008/04/09 16:32
L62	870	dis\$1 and (suspension cantilever\$2 (load near2 beam)) and ((suction vacuum (suction near2 pressure)) near3 (upstream lead\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 16:37
L63	11	62 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/09 16:37
S121	23	S120 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 15:28
S122	2850	(cantilever\$2 suspension (load near2 beam)) same ((upstream downstream lead\$3 trail\$3) near5 (blow\$3 nozzle pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 15:29
S123	61	S122 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 15:30
S124	18	[("20020085313"   "4268879"   "4760478"   "4819094"   "4996616"   "5543985"   "5657187"   "5719727"   "5731931"   "5815348"   "5933293"   "5943774"   "5966270"   "5973883"   "6014289"   "6072665"   "6147840"   "6731465").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/04 15:33

S125	36126	(cantilever\$2 suspension (load near2 beam)) and (blow\$3 vacuum\$3 nozzle) and (upstream lead\$3) and (downstream \$3 trail\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 16:43
S126	392	S125 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 16:44
S127	5	S126 and (fluid\$3 near3 (dam stripper))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 17:03
S128	30	("20020075591"   "20020097525"   "20030147175"   "20030214748"   "4189759"   "4352133"   "4473855"   "4703379"   "4879618"   "5134530"   "5189574"   "5517372"   "5541791"   "5631787"   "5825576"   "5854725"   "5999372"   "6091570"   "6097568"   "6366432"   "6473271"   "6542328"   "6549365"   "6570742"   "6600625"   "6624966"   "6700736"   "6710977"   "6950286"   "7054103"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/04 17:03
S129	589	(cantilever\$2 suspension (load near2 beam)) and (blow\$3 near5 nozzle) and (upstream lead\$3) and (downstream\$3 trail \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 17:06
S130	49	(cantilever\$2 suspension (load near2 beam)) same ((upstream lead\$3) and (downstream\$3 trail\$3)) and (blow\$3 near5 nozzle)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 17:07
S131	2243	(360/97.01-97.02).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2008/04/04 17:24
S132	1198	(360/244.2-245.7).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2008/04/04 17:24

S133	876323	(cantilever\$2 suspension (load near2 beam))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 17:24
S134	401432	((blow\$3 nozzle) near4 (air pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 17:24
S135	7813	S133 same S134	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 17:25
S136	2036	(cantilever\$2 suspension (load near2 beam)) near5 ((upstream\$3 lead\$3 downstream trail\$3) near3 (edge side area portion))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 17:25
S137	25	S131 and S136	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 17:26
S138	11	S134 same S136	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 17:26
S139	27	("4473855"   "4583213"   "4587645"   "4650138"   "4660110"   "4723186"   "4769727"   "5107626"   "5212679"   "5386955"   "5446612"   "5453890"   "5504646"   "5566943"   "5854725"   "5860626"   "5891551"   "5901928"   "5909339"   "5933294"   "5973883"   "5999372"   "6097568"   "6125003"   "6193191"   "6201664"   "6381101").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/04 17:31
S140	2	("5818658").URPN.	USPAT	OR	ON	2008/04/04 17:34
S141	1	("5390059").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/04 17:34
S142	11	("5390059").URPN.	USPAT	OR	ON	2008/04/04 17:35

S143	21	("2905768"   "3132328"   "3148248"   "3268877"   "3327916"   "3414880"   "3676874"   "3893185"   "3992576"   "4141049"   "4167765"   "4670804"   "4837648"   "4975795"   "5136438").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/04 17:39
S144	218	(cantilever\$2 suspension (load near2 beam)) near5 ((upstream\$3 lead\$3 downstream trail\$3) near3 (edge side area portion)) and ((blow\$3 (air near2 flow) nozzle pressure) near5 (side edge))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 17:43
S145	46	(cantilever\$2 suspension (load near2 beam)) near5 ((upstream\$3 lead\$3 downstream trail\$3) near3 (edge side area portion)) same ((blow\$3 (air near2 flow) nozzle pressure) near5 (side edge))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/04 17:44
S146	239	((head transducer) near4 (cantilever\$3 (load near2 beam) suspension)) same (upstream lead\$3) same (trail\$3 downstream)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 10:28
S147	20	S146 and (flow near2 control\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 10:28
S148	38	((head transducer) near4 (cantilever\$3 (load near2 beam) suspension)) same (upstream lead\$3) same ((trail\$3 downstream) near5 (blow\$3 air pressure suction))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 10:50
S149	713	((head transducer) same (cantilever\$3 (load near2 beam) suspension)) same (upstream lead\$3) same (trail\$3 downstream) same (blow\$3 air pressure suction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 10:55
S150	20	S149 and 360/97.01-97.02.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 10:56

S151	18	("4471395"   "4473855"   "4489356"   "4725904"   "4780776"   "4879618"   "5491596"   "5898545"   "5907453"   "5956203"   "6091570"   "6147834"   "6208484"   "6369977"   "6369978"   "6369979"   "6385007"   "6628475"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/08 10:59
S152	12	((head transducer) same ((cantilever\$3 (load near2 beam) suspension)) near5 (upstream lead\$3) near6 (trail\$3 downstream)) same (blow \$3 air pressure suction)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 11:09
S153	35	((head transducer) same ((cantilever\$3 (load near2 beam) suspension)) near5 (upstream lead\$3) near6 (trail\$3 downstream)) and (blow \$3 air pressure suction\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 11:09
S154	7	("5889637").URFN.	USPAT	OR	ON	2008/04/08 11:13
S155	20	("4802042"   "5200868"   "5377063"   "5490026"   "5704715"   "5754367"   "5768053"   "5777825"   "5825588"   "5889634"   "5889637"   "5917679"   "5926344"   "5936800"   "5953181"   "5963396"   "6021020"   "6137656"   "6144528"   "6417992"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/08 11:29
S156	1230	((cantilever\$3 (load near2 beam) suspension)) and ((apply\$3 suppl\$4 provid \$3 blow\$3) near4 (air suction pressure flow) near6 (trail\$3 downstream))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 11:35
S165	503	((head transducer) and ((cantilever\$3 (load near2 beam) suspension)) and ((apply\$3 suppl\$4 provid \$3 blow\$3) near4 (air suction pressure flow) near6 (trail\$3 downstream))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 12:35

S166	29	S165 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 12:36
S167	1	("6369978").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2008/04/08 13:54
S168	12	("4583213"   "4647997"   "4857087"   "5086422"   "5541791"   "5631787"   "5696649"   "5790511"   "5898545"   "5999371"   "6125003"   "6208484"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/08 13:56
S169	19	("6369978").URPN.	USPAT	OR	ON	2008/04/08 15:14
S170	12	("2002003924"   "20020039253"   "4008492"   "5526203"   "5631787"   "5898545"   "5907453"   "6091570"   "6125003"   "6147834"   "6369977"   "6369978"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/08 15:22
S171	21	("4680656"   "4710830"   "4714972"   "4725904"   "4772974"   "4965691"   "5134530"   "5293282"   "5636082"   "5734521"   "5898545"   "6054833"   "6097569"   "6125003"   "6208484"   "6362937"   "6369977"   "6369978"   "6417985"   "6560066"   "6628475").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/08 15:32
S175	4372	((head transducer) same (cantilever\$3 ((load suspension) near2 beam) suspension arm) and ((air suction pressure flow) near3 (trail\$3 downstream))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 17:54
S176	773	S175 and "360"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 17:54
S177	1080	((head transducer) same (cantilever\$3 (load near2 beam) suspension arm)) same ((air suction pressure flow) near4 (trail \$3 downstream))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 17:56



S178	26	S177 and "360"/97.01-97.02.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2008/04/08 17:58
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